

PRINTING APPARATUS AND METHOD FOR MAINTAINING TEMPERATURE OF A PRINthead

Abstract

A printing apparatus includes a printhead for ejecting ink from a plurality of nozzles and a signal generator for generating printing pulses and non-printing pulses used to control heaters. The printing pulses control the heaters to generate sufficient heat energy to eject ink from the nozzles for printing data, and the non-printing pulses control the heaters to generate heat energy that is not sufficient to eject ink from the nozzles for raising a temperature of the ink. The printing apparatus also includes a print data comparator for comparing a percentage of data printed during a predetermined period of time with a threshold value, and a control circuit for varying the non-printing pulses generated by the signal generator according to the percentage of data printed during the predetermined period of time and the threshold value.